

FIG.1

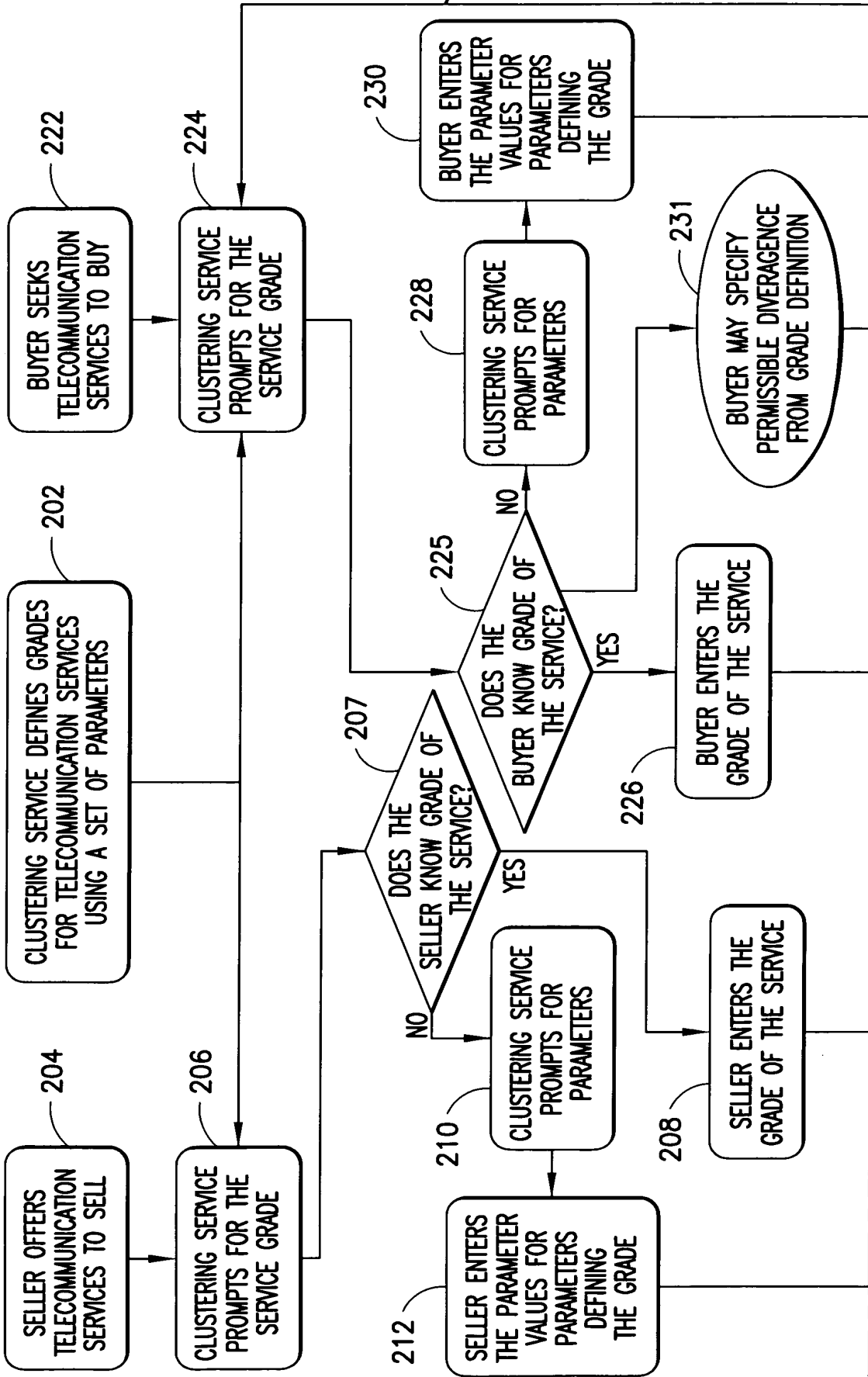


FIG. 2A

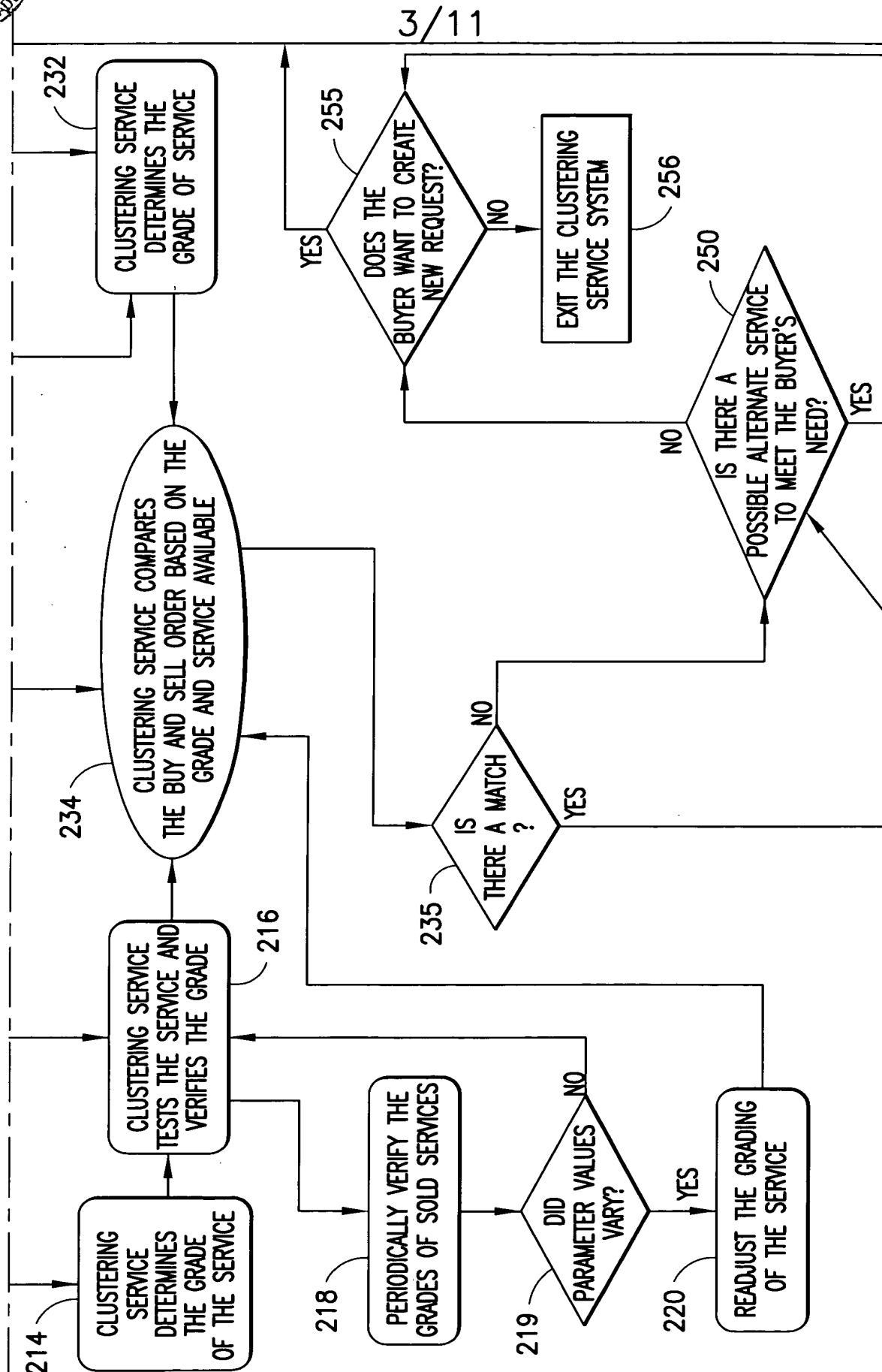


FIG.2B

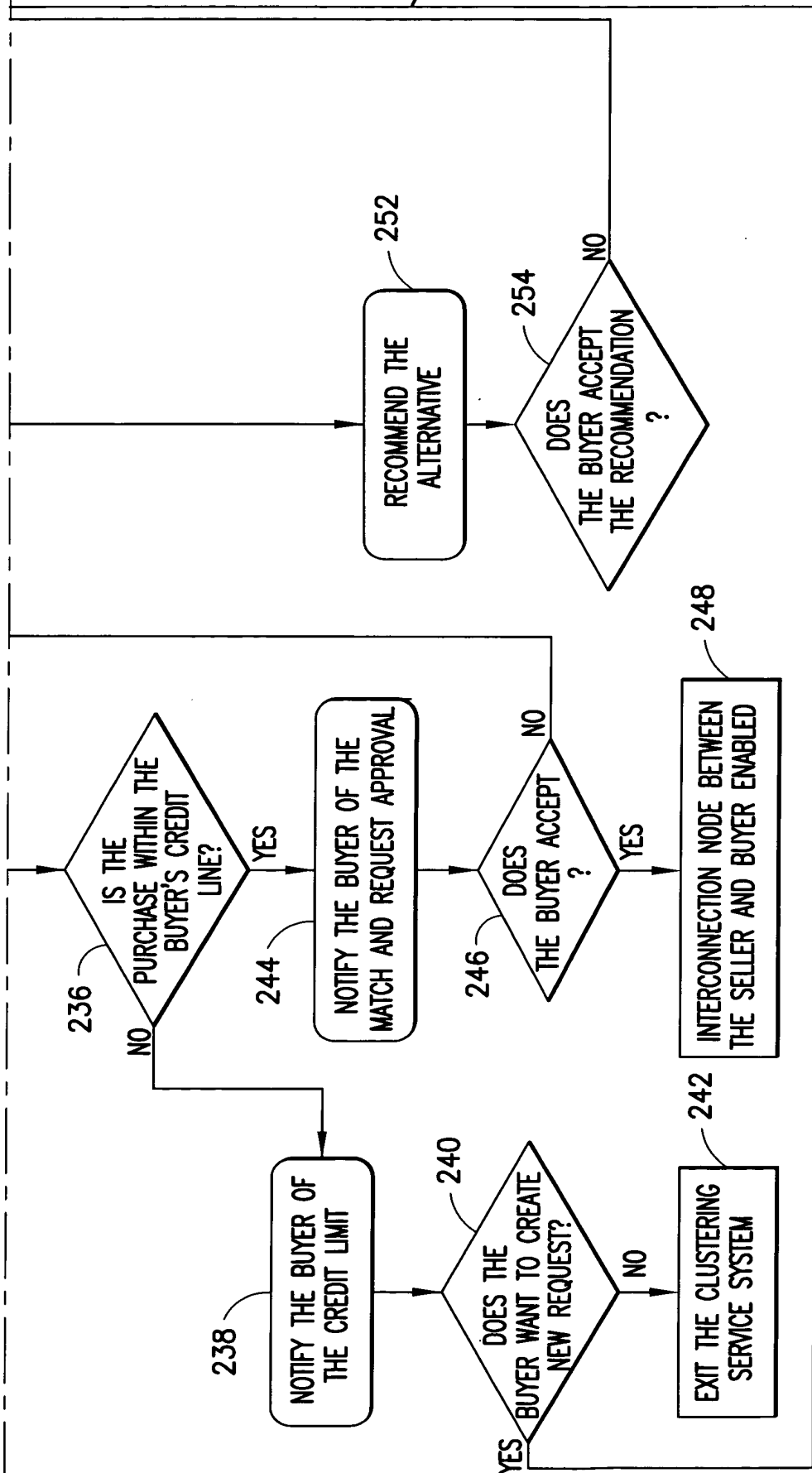


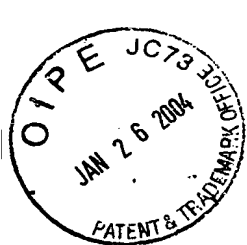
FIG.2C

FIG.2A

FIG.2B

FIG.2C

FIG.2



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**GRADE A**

- good speech clarity, and
- no perceptible loudness degradation, and
- no perceptible noise, and
- no perceptible cross-talk, and
- full duplex communications with imperceptible echo, and
- one-way latency shorter than 100 milliseconds

**FIG.3A**

**GRADE B**

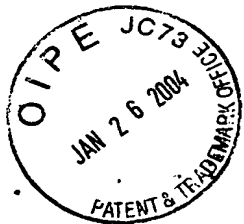
- fully comprehensible speech with little clarity degradation, or
- fully comprehensible speech with little loudness degradation, or
- fully comprehensible speech with little perceptible noise, or
- fully duplex communication with barely perceptible echo, or
- barely perceptible cross-talk, or
- one-way latency between 101 and 135 milliseconds

**FIG.3B**

**GRADE C**

- fully comprehensible speech with some clarity degradation, or
- fully comprehensible speech with some loudness degradation, or
- fully comprehensible speech with some perceptible noise, or
- fully duplex communication with barely perceptible echo, or
- barely perceptible cross-talk, or
- one-way latency between 136 and 175 milliseconds

**FIG.3C**



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**GRADE D**

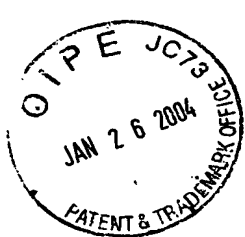
- occasional difficulty in speech comprehension, or
- occasional difficulty in transiting real-time fax, or
- noticeable loudness degradation, or
- some perceptible cross-talk, or
- less-than full duplex communications (e.g., one direction of communication is noticeably blocked while the other direction is active), or
- commonly perceptible echo not interfering with interactive conversations, or
- one-way latency exceeding 176 and 200 milliseconds

**FIG.3D**

**GRADE E**

- difficulty in speech comprehension, or
- unable to transit real-time fax, or
- significant loudness degradation, or
- perceptible cross-talk, or
- virtually half-duplex communications (e.g., one direction of communication is significantly blocked while the other direction is active), or
- commonly perceptible echo interfering with interactive conversations, or
- one-way latency exceeding 201 milliseconds

**FIG.3E**



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SELLER INPUT TEMPLATE	
CARRIER NAME:	_____
SELLER ID #:	_____
PASSWORD:	_____
SUBMITTED:	7/27/99
SPECIFICATIONS:	
ORIGINATING LOCATION:	_____
TERMINATION LOCATION:	_____
PRICE:	_____
CAPACITY:	_____
NUMBER OF CIRCUITS:	_____
TIME AVAILABLE:	_____
GRADE (IF KNOWN):	_____
IF NOT KNOWN:	<a href="#">CLICK HERE</a>
SPECIAL FACTORS:	<a href="#">CLICK HERE</a>

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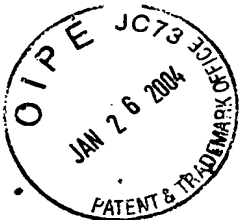
FIG.4A

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SELLER INPUT TEMPLATE	
CARRIER NAME:	_____
BUYER ID #:	_____
PASSWORD:	_____
SUBMITTED:	7/27/99
SPECIFICATIONS:	
ORIGINATING LOCATION:	_____
TERMINATION LOCATION:	_____
PRICE:	_____
CAPACITY:	_____
NUMBER OF CIRCUITS:	_____
TIME REQUESTING:	_____
GRADE (IF KNOWN):	_____
IF NOT KNOWN:	<a href="#">CLICK HERE</a>
SPECIAL FACTORS:	<a href="#">CLICK HERE</a>

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FIG.4B

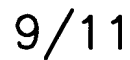


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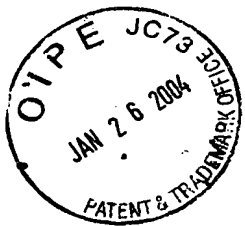
SELLER INPUT TEMPLATE	
CARRIER NAME:	USAGLOBAL
SELLER ID #:	SC300M3A4
PASSWORD:	*****
SUBMITTED:	7/27/99
SPECIFICATIONS:	
ORIGINATING LOCATION:	NEW YORK
TERMINATION LOCATION:	LONDON
PRICE:	\$5k/month
CAPACITY:	120k min/month
NUMBER OF CIRCUITS:	200
TIME AVAILABLE:	8/1/1999 to 1/2000
SPECIAL FACTORS:	<a href="#">CLICK HERE</a>
PARAMETER INPUTS:	
TYPE OF CONNECTION	_____
VOICE COMPRESSION RATIO	_____
SPEECH CLARITY	_____
LOUDNESS DEGRADATION	_____
NOISE	_____
CROSS-TALK	_____
DUPLEX CAPABILITY/ECHO LEVEL	_____
ONE-WAY LATENCY	_____

FIG.5A





**FIG.5B**



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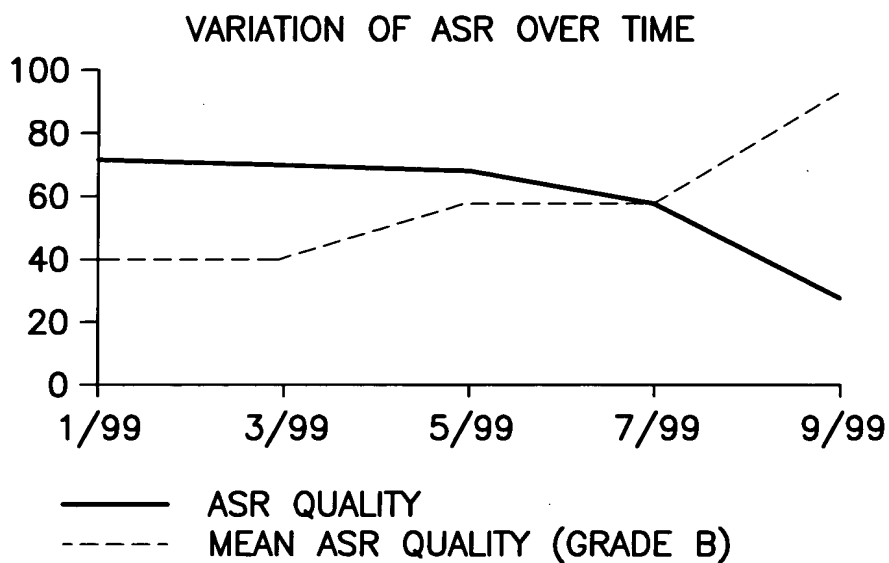
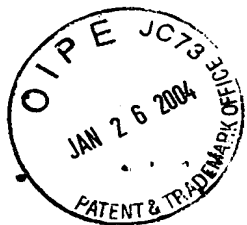


FIG.6A

- GRADE\* OF USAGLOBAL AT 5/99-1975: B
- GRADE\* OF USAGLOBAL AT 7/99: C
- GRADE\* OF USAGLOBAL AT 9/99: E

\*:WITH OTHER PARAMETERS HELD AT SAME VALUE

FIG.6B



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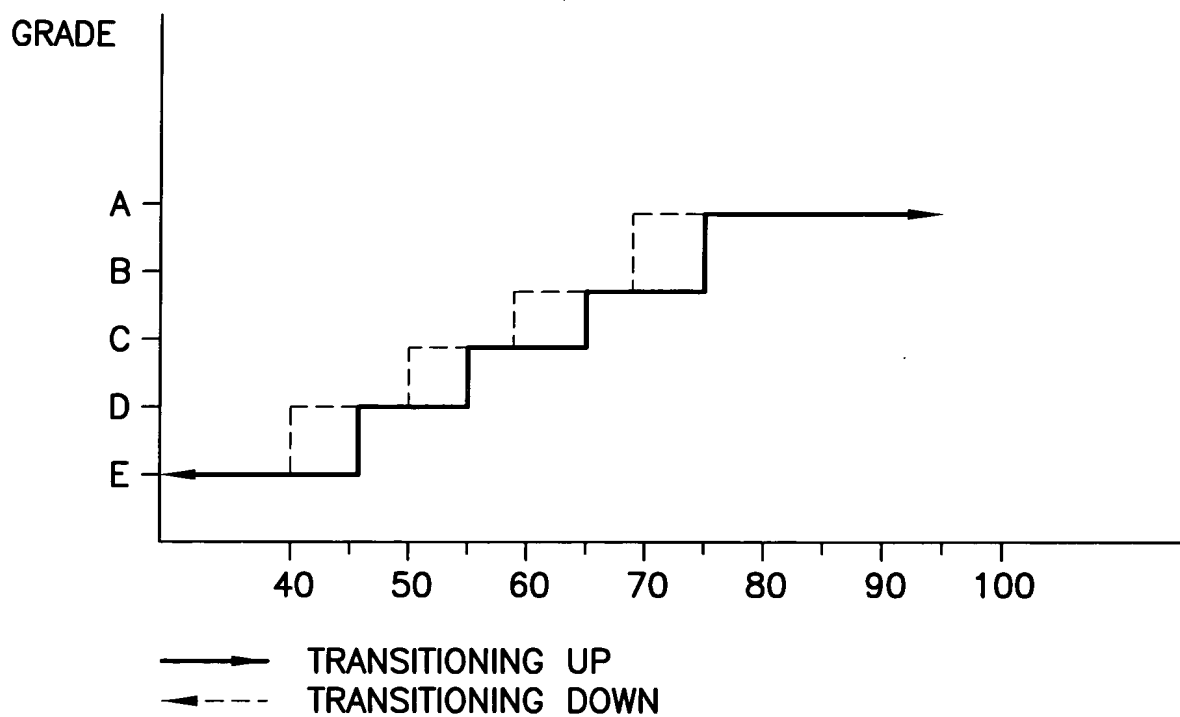


FIG.7